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ABSTRACT

In spring 1985, a study was conducted to evaluate the effectiveness of remedial programs at William Rainey Harper College (WRHC) by following the progress of students after they had taken a remedial course. The sample included 223 students who enrolled in communications courses from 1980 to 1982, 299 students who enrolled in developmental mathematics courses from 1978 to 1982, and 201 students who enrolled in a developmental reading course from 1978 to 1982. An analysis of the academic records of these students through spring 1986 revealed the following: (1) students who earned an A or B in a remedial course had a high probability of success later, those earning a C or D had marginal chances of later success, and those failing had a low probability of success; (2) grades received in remedial reading correlated closely with later grades; (3) persistence was related to grades in developmental reading; (4) well over half (56%-61%) of those who earned an A or B in communications passed at least one English course at the 101 level or above; and (5) a strong relationship existed between grades in developmental math and overall grade point average and persistence. Based on study findings, it is concluded that remedial courses are effective in preparing students to do well in college-level courses. (LAL)

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William Rainey Harper College

Study of Academic Progress by Students at Harper After Enrolling in Developmental Courses

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ABSTRACT

THE PURPOSE OF THIS STUDY IS TO SERVE AS ONE MEANS TO EVALUATE THE EFFECTIVENESS OF REMEDIAL PROGRAMS AT HARPER. THIS STUDY FOLLOWS THE PROGRESS OF STUDENTS AT HARPER AFTER THEY HAVE TAKEN A REMEDIAL COURSE. THE SAMPLE INCLUDED 223 STUDENTS WHO ENROLLED IN COMMUNICATIONS COURSES (CMN-097, 098, 099) FROM 1980 TO 1982, 299 STUDENTS WHO ENROLLED IN DEVELOPMENTAL MATH COURSES (MTH-050, 060, 095) FROM 1978 TO 1982 AND 201 STUDENTS WHO ENROLLED IN A DEVELOPMENTAL READING COURSE (RDG-099) FROM 1978 TO 1982. ACADEMIC RECORDS WERE GATHERED ON ALL OF THESE STUDENTS ON THEIR PROGRESS THROUGH THE SPRING OF 1986.

RESULTS OF THIS STUDY SHOWED THAT THERE IS GOOD EVIDENCE THAT REMEDIAL OR DEVELOPMENTAL COURSES ARE EFFECTIVE IN PREPARING STUDENTS TO DO WELL IN COLLEGE LEVEL COURSES. STUDENTS WHO DO WELL IN REMEDIAL COURSES ARE MUCH MORE LIKELY TO EARN A HIGHER OVERALL GPA AND TO PERSIST LONGER AT HARPER. MOREOVER, THESE STUDENTS ARE MUCH MORE LIKELY TO TAKE, AND TO DO WELL IN, THE SPECIFIC COLLEGE LEVEL COURSES FOR WHICH THEY WERE PREPARED BY THE REMEDIAL COURSE IN WHICH THEY WERE ENROLLED.

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PURPOSE

The purpose of this study is to serve as one means to evaluate the effectiveness of remedial programs at Harper. This study follows the progress of students at Harper after they have taken a remedial course. The study will be one element used in the program evaluation for the remedial area and was requested by Lee Kolzow.

POPULATION SURVEYED AND METHODOLOGY

The following groups of students were selected randomly from the following course rosters:

Courses	Time Frame In Which These Students Enrolled in these courses	Number of Students Sampled Randomly
Communications	Spring '80 to Fall '82	223
Remedial Math	Spring '78 to Fall '82	299
Developmental Reading	Spring '78 to Fall '82	201

When the students were chosen, their academic records through the spring of 1986 were gathered. Their grade in the remedial course was then compared to their overall GPA, courses they took later, and various measures of persistence.

DISCUSSION OF RESULTS

In general, those students who earn an A or B in a remedial course have a high probability of success later on while those earning a C or D are somewhat marginal and those failing have a low probability of later success. However, each remedial area has a slightly different profile for success so each will be discussed separately.

Remedial reading prepares students for almost all courses so one can only examine overall performance for these students. Grades received in remedial reading correlate very closely with grades received later. For example, those who receive an A in developmental reading courses average a cumulative GPA of 2.73 and 92 percent have a GPA of 2.00 or better. On the other hand those failing developmental reading average a cumulative GPA of only .85 and only 2½ percent ever earn a 2.00 GPA or better. Persistence is related to grades in developmental reading but to a much lesser extent than overall cumulative GPA. For example, about 35 to 36 percent of those earning an A or B will eventually pass 30 or more credit hours at Harper, while 27 to 31 percent of those earning a C or D will pass 30 or more credit hours but only 5 percent of those failing will ever pass 30 credit hours at Harper.

Students with low test scores are required to take communication courses before they can enroll in English courses. Therefore, this analysis looked at not only overall performance measures but also at performance measures in English courses. Grades in the communication courses had a strong relationship to overall GPA but not nearly to the extent as was the case in developmental reading. For example, the average GPA of those receiving an A in communications was 2.88 while the GPA for those with a D or F in communications ranged between 1.60 and 1.91. Moreover, 93 percent of those with an

DISCUSSION OF RESULTS (cont'd)

A in communications had at least a 2.00 GPA while 31 to 36 percent of those with a D or F in communications had an overall 2.00 GPA or better. Overall persistence measures also showed a strong relationship with grades in communication courses. Over half (51-56%) of those achieving an A or B in communication courses completed at least 30 hours at Harper while only 12 percent of those failing communications went on to pass 30 or more hours at Harper.

The most interesting aspect of this study was the extent to which students doing well in communications went on to take English and do well in those courses. Well over half (56-61%) of those with an A or B in communications passed at least one English course at the 101 level or above. At the other extreme only 8 to 19 percent of those with a D or F in communications went on to pass at least one English course at the 101 level or above. Moreover, there was a similar relationship between grades in communication courses and grades in English courses. The average GPA in English 101 or above by those with an A in communications was 2.75 while the average grade in English 101 or above by those who failed communications was only 1.88.

Remedial math courses are required for students scoring low on math placement tests before they can enroll in regular math courses. Therefore, this analysis also looked at both overall performance and specific performance in math. Again, there was a strong relationship between grades in developmental math and overall GPA and persistence. The average GPA for those earning an A in remedial math was 2.86 and 88 percent had at least a 2.00 GPA. At the other extreme, those receiving a D, F, or N in remedial math achieved an overall GPA somewhere between 1.49 and 2.07 and only 17 to 28 percent had an overall passing grade point average. In terms of persistence, almost 56 percent of those receiving an A in developmental math passed at least 30 credit hours at Harper. On the other hand, only 17 to 23 percent of those receiving a D, F, or N in remedial math passed 30 hours. It was noted that a number of students who failed remedial math went on to accumulate a large number of hours and earn a very high GPA by avoiding math altogether. For them, math was a very specific skill with which they had trouble but which did not affect their other skills and therefore they were able to perform well in other course areas.

Again, one of the most interesting aspects of this study was examining to what extent those doing well in remedial math go on to do well in regular math courses. Here too, the expected relationships hold. About 44 percent of those earning an A in developmental math go on to pass math 102 (or higher level math courses) while less than 4 percent of those receiving a D. F. or N in remedial math go on to pass math 102. It should be noted that a higher percentage of those doing very well in the appropriate remedial course go on to pass English 101 (56-61%) than go to pass math 102 (44%). This could be explained by the fact that a student could earn an associate degree without a single college level math course but could not earn a degree without English 101. Finally, it should be noted that those who do earn an A in remedial math and do take math 102 or beyond earn a 2.65 GPA in these math courses.

MAJOR CONCLUSIONS

There is good evidence that remedial or developmental courses are effective in preparing students to do well in college level courses.

MAJOR CONCLUSIONS (cont'd)

Students who do well in remedial courses are much more likely to earn a higher overall GPA and to persist longer at Harper. Moreover, these students are much more likely to take, and do well in, the specific college level courses for which they were prepared by the remedial course in which they were enrolled.

PERFORMANCE AT HARPER COLLEGE BY STUDENTS TAKING DEVELOPMENTAL READING

Grade In Developmental Reading	N	PCT	Average Hours Cumulative	Average Hours Passed	Percent Passing 30 Or More Hours	Weighted By Cumulative Hours GPA	Percent Having a 2.00 GPA Or Higher	Percent Who Returned One Year Later At Harper
A	49	24.4	31.3	30.4	34.7	2.73	91.8	57.1
B	64	31.8	32.1	30.5	37.5	2.31	76.6	62.5
C	33	16.4	25.9	22.6	27.3	1.86	42.4	54.5
D	13	6.5	25.7	21.1	30.8	1.57	23.1	38.5
F or N	42	20.9	12.0	4.6	4.8	.85	2.4	14.3
Total	201	100.0	26.3	23.2	27.9	1.99	55.7	48.3

PERFORMANCE AT HARPER COLLEGE BY STUDENTS TAKING DEVELOPMENTAL COMMUNICATIONS

	Grade in Developmental Communications											
	A		B		C		D		F or N		TOTAL	
	N	PCT	N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
Sample Size	43	19.3	23	10.3	85	38.1	13	5.8	59	26.5	223	100.0
Passed one English course 100 or above	29	67.4	14	60.9	41	48.2	3	23.1	15	25.4	102	45.7
Passed one English course 101 or above	26	60.5	13	56.5	26	30.6	1	7.7	11	18.6	77	34.5
Passed English 102	15	34.9	5	21.7	12	14.1	0	0	6	10.2	38	17.0
GPA in English 100	2.80		2.42		1.91		.80		1.40		1.91	
GPA in English 101 or above	2.75		1.85		1.82		2.00		1.88		2.13	
Returned One Year Later	17	39.5	18	78.3	43	50.6	6	46.2	11	18.6	95	42.6
Cumulative Hours Attempted	33.9		47.1		25.8		22.0		14.1		26.2	
Cumulative Hours Passed	32.8		44.2		24.2		17.3		10.6		23.9	
Passed 30 or More Hours	22	51.2	13	56.5	25	29.4	3	23.1	7	11.9	70	30.0
Cumulative GPA	2.88		2.40		2.41		1.60		1.91		2.41	
Those having a Cumulative GPA of 2.00 or above	40	93.0	20	87.0	52	61.2	4	30.8	21	35.6	137	61.4

PERFORMANCE AT HARPER COLLEGE BY STUDENTS TAKING DEVELOPMENTAL MATH

Performance Measure	Grade in Developmental Math											
	A		B		C		D		F or N		TOTAL	
	N	PCT	N	PCT	N	PCT	N	PCT	N	PCT	N	PCT
Sample Size	120	40.1	37	12.4	40	13.4	6	2.0	96	32.1	299	100.0
Passed No Other Math Course	64	53.3	22	59.5	25	62.5	6	100.0	91	94.8	208	69.6
Passed Math 100 Only	3	2.5	1	2.7	3	7.5	0	0	1	1.0	8	2.7
Passed Math 102 Only	19	15.9	9	24.3	5	12.5	0	0	2	2.1	35	11.7
Passed Math courses above Math 102	34	28.3	5	13.5	7	17.5	0	0	2	2.1	48	16.0
GPA in All Other Math Courses	108	2.65	22	2.18	32	1.97	0	0	16	1.78	178	2.39
Returned One Year Later	66	55.0	23	62.2	25	62.5	5	83.3	31	32.3	150	50.2
Average Cumulative Hours Attempted	40.0		31.7		32.0		21.4		20.1		31.1	
Average Cumulative Hours Passed	38.7		30.2		29.6		19.6		16.1		28.8	
Passed 30 or More Hours	67	55.8	14	37.8	15	37.5	1	16.7	22	22.9	119	39.8
Weighted Average Cumulative GPA	2.86		2.55		2.33		1.49		2.07		2.47	
Those Having a Cumulative GPA of 2.00 or above	106	88.3	30	81.1	28	70.0	1	16.7	27	28.1	192	64.2

STUDENTS WITH " A " AVERAGE IN REMEDIAL READING

Returned Following Fall - (x)	Cum. Hrs. Attempted	Cum. Hrs. Passed	Cum. GPA
x	21.00	21.00	3.10
--	15.50	15.50	2.81
--	33.00	33.00	2.45
--	68.00	68.00	3.43
x	68.50	68.50	3.14
x	72.00	72.00	2.61
x	96.00	100.00	3.49
x	65.00	62.00	2.12
--	8.00	5.00	1.38
--	8.00	8.00	3.25
--	2.00	2.00	4.00
x	70.00	70.00	2.31
x	26.00	26.00	2.62
--	2.00	2.00	4.00
x	4.00	4.00	3.00
x	12.00	12.00	3.00
--	5.00	5.00	2.20
x	24.00	24.00	3.25
x	19.00	19.00	2.47
x	33.00	36.00	2.58
--	5.00	5.00	3.40
x	89.00	93.00	2.89
--	13.00	13.00	3.08
--	34.00	34.00	2.71
--	8.00	8.00	3.25
--	26.00	26.00	2.15
x	70.00	71.00	2.36
x	68.00	68.00	3.03
x	62.50	63.50	2.59
--	8.00	8.00	3.63
x	38.00	27.00	1.68
--	12.00	12.00	2.92
--	5.00	7.00	2.80
--	23.00	23.00	3.48
x	14.50	11.50	2.10
--	47.00	47.00	3.32
x	13.00	13.00	2.69
x	41.00	20.00	.78
x	3.00	3.00	4.00
x	41.00	41.00	2.59
--	20.00	20.00	2.70
x	15.00	9.00	2.20
x	25.00	26.00	3.88
x	14.00	8.00	1.64
x	27.00	27.00	2.93
x	40.00	36.00	2.08
--	25.00	25.00	3.16
--	25.00	25.00	3.12
x	68.00	68.00	2.76

STUDENTS WITH " B " AVERAGE IN REMEDIAL READING

Returned Following Fall - (x)	Cum. Hrs. Attempted	Cum. Hrs. Passed	Cum. GPA
x	41.00	36.00	2.10
x	30.00	36.00	2.30
x	67.50	64.50	2.04
x	73.00	73.00	2.70
x	66.00	63.00	2.30
x	24.50	24.50	2.84
x	78.00	75.00	2.41
x	36.00	36.00	3.69
x	47.00	44.00	2.68
x	105.00	105.00	2.57
x	64.00	59.00	2.14
--	4.00	7.00	2.00
x	104.00	101.00	2.15
x	2.00	7.00	3.00
--	12.00	2.00	.50
x	14.00	14.00	2.36
x	8.00	2.00	.75
x	25.00	18.00	2.04
--	7.00	2.00	.86
--	5.00	2.00	1.20
--	39.00	32.00	1.77
x	68.00	68.00	2.85
--	4.00	4.00	3.00
x	57.00	57.00	2.26
x	13.50	17.50	2.70
x	43.00	43.00	3.09
--	11.00	11.00	3.00
--	4.00	4.00	1.50
x	29.00	29.00	2.28
--	14.00	14.00	2.79
x	51.00	52.00	2.75
--	17.00	17.00	2.82
x	8.00	8.00	2.38
x	38.00	38.00	2.29
x	81.00	81.00	2.38
x	6.00	5.00	2.00
--	25.00	21.00	2.04
x	27.00	28.00	2.37
x	30.00	24.00	1.50
--	26.50	26.50	2.57
--	13.00	10.00	2.46
--	33.00	29.00	2.21
--	10.00	10.00	3.80
--	13.00	12.00	1.85
x	22.00	19.00	1.82
--	5.00	7.00	2.40
x	82.50	79.50	2.05
--	13.00	12.00	1.85
--	13.00	17.00	2.38

STUDENTS WITH " B " AVERAGE IN REMEDIAL READING (cont'd)

Returned Following Fall - (x)	Cum. Hrs. Attempted	Cum. Hrs. Passed	Cum. GPA
--	10.00	9.00	2.70
--	27.00	27.00	2.89
x	68.00	59.00	1.88
x	9.00	7.00	2.00
x	11.00	15.00	1.73
x	20.50	21.50	2.68
--	24.00	21.00	1.75
--	14.00	14.00	2.64
x	35.00	22.00	1.40
x	25.00	19.00	1.56
x	16.00	15.00	2.00
--	33.00	30.00	2.42
x	42.00	42.00	2.21
x	37.00	38.00	2.35
x	72.00	69.00	2.24

STUDENTS WITH " C " AVERAGE IN REMEDIAL READING

Returned Following Fall	Cum. Hrs. Attempted	Cum. Hrs. Passed	Cum. GPA
x	64.00	64.00	2.22
x	24.50	22.50	2.14
--	9.00	9.00	1.89
x	37.50	40.50	2.08
--	33.00	33.00	1.42
x	36.50	37.50	2.67
x	14.00	8.00	.93
--	5.00	5.00	2.00
--	5.00	2.00	.80
x	61.00	58.00	1.84
--	22.00	18.00	1.18
--	12.00	12.00	1.83
x	58.00	58.00	2.41
--	2.00	4.00	2.00
--	9.00	6.00	1.22
--	9.00	10.00	2.22
x	28.50	25.50	2.32
x	34.00	26.00	2.12
--	19.00	15.00	1.58
x	9.00	3.00	.67
--	10.00	7.00	1.20
--	9.00	9.00	2.67
x	44.00	40.00	2.34
x	68.00	59.00	1.88
x	31.00	25.00	1.97
--	12.00	9.00	1.00
x	43.00	22.00	.65
x	39.00	40.00	2.18
--	9.00	9.00	2.00
x	31.00	25.00	1.84
x	33.00	22.00	1.30
x	19.00	15.00	1.58
--	16.00	8.00	1.25

STUDENTS WITH " D " AVERAGE IN REMEDIAL READING

Returned Following Fall - (x)	Cum. Hrs. Attempted	Cum. Hrs. Passed	Cum. GPA
--	23.00	24.00	2.35
--	47.00	35.00	1.13
x	22.00	22.00	1.86
--	5.00	5.00	1.60
--	8.00	5.00	.63
--	31.00	25.00	1.39
--	15.50	12.50	1.58
x	37.00	35.00	1.68
x	63.00	53.00	2.16
x	14.00	8.00	.50
--	41.00	31.00	1.56
--	6.00	6.00	2.00
x	21.00	13.00	.62

STUDENTS WITH " F " AVERAGE IN REMEDIAL READING

Returned Following Fall - (x)	Cum. Hrs. Attempted	Cum. Hrs. Passed	Cum. GPA
--	8.00	4.00	1.00
--	3.00	0	0
--	8.00	0	0
--	2.00	0	0
--	16.00	1.00	.19
--	5.50	.50	.36
--	30.00	15.00	.90
--	8.50	.50	.18
x	40.00	38.00	1.80
--	2.00	0	0
--	7.00	0	0
--	5.00	0	0
--	3.00	0	0
--	6.00	6.00	.50
--	9.00	0	0
--	19.00	6.00	.47
--	12.00	1.00	.33
--	3.00	0	0
--	5.00	1.00	.80
--	6.00	3.00	2.00
x	61.00	31.00	1.11
--	16.00	1.00	.19
--	28.00	14.00	.96
--	12.00	0	0
--	12.00	3.00	.75
x	43.00	27.00	1.88
--	17.00	5.00	.82

STUDENTS WITH " N " AVERAGE IN REMEDIAL READING

Returned Following Fall - (x)	Cum. Hrs. Attempted	Cum. Hrs. Passed	Cum. GPA
--	2.00	0	0
--	5.00	0	0
--	2.00	0	0
--	8.00	0	0
--	4.00	1.00	1.00
--	2.00	0	0
--	17.00	9.00	1.23
x	32.00	18.00	1.13
--	2.00	0	0
x	19.00	6.00	1.11
x	11.00	0	0
--	8.00	0	0
--	2.00	0	0
--	2.50	.50	.60
--	2.00	0	0

STUDENTS WITH "A " AVERAGE IN REMEDIAL MATH

List Grade and Course (Math 100 or above)	Returned Following Fall- (x)	Cum. Hours Attempted	Cum. Hrs. Passed	Cum GPA
--	--	63.00	63.00	2.84
100/A	x	70.00	70.00	3.87
102/A, 103/A, 134/A, 165/A	x	64.00	64.00	3.95
--	x	45.00	45.00	2.58
102/C, 103/D	--	63.00	63.00	2.22
--	--	21.00	21.00	2.29
102/A, 124/A	x	19.00	19.00	3.84
102/A	--	48.00	48.00	3.60
102/A, 103/B, 104/B, 105/A 201/B	x	55.00	58.00	3.44
102/A	x	25.00	25.00	3.52
--	--	3.00	3.00	4.00
--	x	21.00	12.00	1.19
102/B, 103/A	x	62.00	62.00	3.79
--	--	53.00	53.00	2.42
--	--	15.00	15.00	2.20
102/A, 124/A	x	50.00	50.00	3.64
--	x	34.00	34.00	3.91
--	--	48.00	51.00	3.54
102/C, 124/B	x	46.00	46.00	2.52
124/C	x	76.00	79.00	2.95
106/B	x	16.00	16.00	3.31
102/C	x	27.00	27.00	2.96
102/A	x	36.00	36.00	4.00
102/B, 103/A	x	42.00	42.00	3.57
102/C, 124/B	x	58.00	58.00	3.40
--	x	51.00	48.00	2.94
104/C, 108/A, 103/A, 212/A 201/B, 202/A	--	54.00	54.00	3.24
102/B	x	52.00	52.00	3.40
106/B	x	36.00	30.00	2.47
--	--	14.00	14.00	2.86
--	x	70.00	70.00	3.81
100/D	--	73.00	73.00	2.52
--	x	39.00	37.00	1.69
--	x	49.00	32.50	1.79
--	--	29.00	29.00	3.28
--	x	32.00	14.00	1.34
--	x	31.00	27.00	2.35
--	--	1.00	1.00	4.00
100/C	x	88.00	82.00	2.35
102/B, 103/C, 104/C, 105/C 201/F	x	91.00	86.00	2.65
102/D, 102/C, 103/F	x	71.00	63.00	2.04
102/B	--	10.00	10.00	3.60
102/A, 103/A, 124/B	x	66.00	66.00	3.64
--	--	3.00	3.00	4.00
--	--	18.00	18.00	1.83

STUDENTS WITH " A" AVERAGE IN REMEDIAL MATH (cont'd)

List Grade and Course (Math 100 or above)	Returned Following Fall - (x)	Cum. Hours Attempted	Cum. Hrs. Passed	Cum GPA
--	--	24.00	24.00	3.00
--	--	6.00	6.00	4.00
102/C, 103/B	--	40.00	37.00	2.78
102/B, 103/B	x	80.00	80.00	3.24
102/C	x	44.00	44.00	2.23
102/B	--	10.00	10.00	3.60
102/B, 124/C	x	46.00	46.00	3.00
--	x	26.00	26.00	3.77
--	--	3.00	3.00	4.00
102/A	--	51.00	51.00	3.59
100/F	--	10.00	7.00	.70
--	--	1.00	1.00	4.00
--	--	2.00	1.00	4.00
102/D	x	66.00	66.00	3.08
--	x	61.00	61.00	2.93
106/B	x	34.00	34.00	3.03
--	--	4.00	4.00	2.50
--	x	6.00	6.00	2.00
102/A, 120/D	--	96.00	96.00	2.28
--	--	16.00	16.00	3.63
102/A, 104/B	x	26.00	26.00	3.33
--	--	93.00	97.00	2.56
102/B	x	37.00	37.00	2.76
102/C, 165/A	x	95.00	99.00	3.57
102/C	x	64.00	61.00	2.61
102/C	--	48.50	48.50	2.96
102/C	x	27.00	27.00	2.37
--	--	19.00	19.00	3.84
102/F	--	29.00	12.00	1.34
--	--	12.00	12.00	3.75
106/B	x	8.00	8.00	3.38
120/C	--	48.50	48.50	2.96
102/F, 102/B	x	38.00	35.00	2.46
--	--	6.00	6.00	2.50
102/A	x	77.00	77.00	3.45
--	--	6.00	6.00	4.00
--	--	22.00	22.00	2.41
--	--	3.00	3.00	4.00
104/C, 103/B, 105/C	x	24.00	24.00	2.65
--	--	6.00	6.00	2.50
124/B, 134/B	--	13.00	13.00	3.46
--	--	110.00	110.00	2.67
--	--	29.00	21.00	2.21
--	--	31.00	31.00	3.39
101/D	x	97.00	101.00	3.51
100/F	x	64.00	61.00	2.03
102/C	x	68.00	59.00	1.88
--	x	41.00	36.00	2.10
--	--	16.00	16.00	4.00

STUDENTS WITH "A" AVERAGE IN REMEDIAL MATH (cont'd)

List Grade and Course (Math 100 or above)	Returned Following Fall - (x)	Cum. Hours Attempted	Cum. Hrs. Passed	Cum GPA
--	--	14.00	14.00	3.00
--	--	41.00	31.00	1.56
--	x	71.00	75.00	3.39
--	x	60.00	64.00	2.53
--	--	2.00	1.00	2.00
102/C, 103/C, 124/C	x	76.50	76.50	2.77
102/C, 124/D	x	68.00	68.00	2.25
103/B, 104/C	x	71.00	71.00	3.41
102/A	x	20.00	20.00	3.55
--	--	6.00	1.00	.67
105/B, 201/F, 102/A, 103/B 104/B	x	22.00	17.00	2.64
--	x	61.00	65.00	2.82
102/F	--	35.50	31.50	2.25
--	--	11.00	10.00	3.36
--	x	47.00	46.00	2.55
--	x	30.00	30.00	2.50
102/C, 124/A	--	50.50	50.00	2.81
--	--	28.50	22.50	1.49
00	x	32.00	27.00	1.97
102/F	x	27.00	17.00	1.48
102/B, 103/B, 124/A	x	58.00	58.00	3.47
--	--	17.00	13.00	1.47
--	--	14.00	14.00	3.64
--	x	70.00	70.00	3.23
102/F	x	72.00	65.00	2.04
102/D	x	72.00	72.00	2.38

STUDENTS WITH " B " AVERAGE IN REMEDIAL MATH

List Grade and Course (Math 100 or above)	Returned Following Fall - (x)	Cum. Hours Attempted	Cum. Hrs. Passed	Cum GPA
102/B	--	15.00	18.00	2.80
106/C	x	21.00	21.00	2.24
102/C, 124/C	x	68.00	68.00	2.66
--	x	76.00	80.00	2.66
102/B, 103/N	x	41.00	35.00	2.66
--	--	21.00	21.00	2.43
102/C, 103/C, 124/C, 208/A	x	56.00	53.00	2.50
102/B	x	29.50	29.50	3.46
--	x	34.00	31.00	1.68
--	--	1.00	1.00	3.00
--	--	27.00	27.00	2.59
--	--	15.00	15.00	3.60
102/B	x	44.50	44.50	2.61
102/B	x	16.00	13.00	2.81
102/C, 103/F	x	46.50	43.50	2.22
--	--	4.00	1.00	.75
102/D	x	50.00	50.00	2.74
--	x	12.00	9.00	2.25
--	--	18.00	15.00	2.33
--	--	3.00	3.00	3.00
--	--	22.00	19.00	2.59
106/C	x	18.00	18.00	2.72
--	--	57.00	57.00	2.53
102/A	x	43.00	43.00	3.53
--	--	12.00	9.00	1.50
--	x	19.00	13.00	1.47
--	x	21.00	21.00	3.00
102/F	x	28.00	18.00	.96
--	x	66.00	59.00	2.50
--	x	70.00	74.00	2.91
--	--	21.00	18.00	1.29
--	--	81.00	78.00	3.10
120/C	x	28.00	24.00	1.71
100/B	x	24.00	24.00	2.13
102/B	x	47.50	44.50	2.63
--	--	3.00	3.00	3.00
--	x	15.00	15.00	2.33

STUDENTS WITH "C " AVERAGE IN REMEDIAL MATH

List Grade and Course (Math 100 or above)	Returned Following Fall	Cum. Hours Attempted	Cum. Hrs. Passed	Cum GPA
102/A, 124/B, 134/C	x	60.00	60.00	2.47
102/B, 102/C, 103/C	x	75.00	75.00	2.76
--	--	2.00	2.00	2.00
--	x	15.00	15.00	2.87
102/C, 134/F	x	77.50	73.50	2.80
--	x	15.00	15.00	2.40
106/A, 107/B, 108/B, 206/F	x	68.00	61.00	2.56
102/C, 103/B, 104/B, 105/C	x	75.00	72.00	2.39
120/B	x	63.00	57.00	2.21
102/B	x	38.00	38.00	3.13
--	--	20.00	15.00	1.80
102/N	x	13.00	10.00	1.31
102/F, 102/D	x	37.00	37.00	1.81
100/F	x	28.50	7.00	.60
--	--	6.00	7.00	2.50
100/B	--	6.00	6.00	2.50
102/C, 103/B, 124/D	x	43.00	40.00	2.14
120/C	x	53.50	53.50	2.71
--	--	12.00	12.00	2.00
102/C	x	74.00	71.00	2.32
--	x	7.00	7.00	2.86
--	--	3.00	3.00	2.00
100/B, 102/C	x	65.00	65.00	2.15
--	--	3.00	3.00	2.00
--	--	6.00	6.00	1.50
--	x	15.00	15.00	2.40
--	x	36.00	18.00	1.17
100/D	x	6.00	6.00	1.50
--	x	42.00	29.00	1.38
--	x	51.00	42.00	1.51
--	--	12.00	12.00	1.50
102/F	x	33.00	29.00	2.58
102/F	--	28.00	24.00	2.46
--	x	24.00	21.00	1.75
--	--	17.50	10.00	1.14
--	--	6.00	6.00	2.00
--	--	12.00	12.00	2.00
101/D	--	6.00	9.00	2.00
--	x	67.00	74.00	3.36
--	--	58.00	65.00	3.41

STUDENTS WITH " D" AVERAGE IN REMEDIAL MATH

List Grade and Course (Math 100 or above)	Returned Following Fall	Cum. Hours Attempted	Cum. Hrs. Passed	Cum GPA
--	x	6.00	6.00	1.00
--	x	53.00	48.00	1.42
--	--	6.00	6.00	1.00
--	x	9.00	9.00	1.33
--	x	25.00	25.00	2.08
--	x	29.50	23.50	1.37

STUDENTS WITH "F " AVERAGE IN REMEDIAL MATH

List Grade and Course (Math 100 or above)	Returned Following Fall	Cum. Hours Attempted	Cum. Hrs. Passed	Cum GPA
--	x	6.00	3.00	1.50
--	--	18.00	12.00	1.67
--	--	66.00	66.00	2.95
--	x	51.00	39.00	1.73
--	x	2.00	0	0
--	--	18.00	0	0
--	--	2.00	0	0
--	x	56.00	45.00	1.18
--	--	18.00	12.00	1.17
--	x	57.00	56.00	2.08
--	--	22.00	12.00	.55
--	--	74.00	77.00	3.64
--	x	1.00	0	0
--	--	4.00	0	0
--	--	4.00	0	0
--	--	11.00	10.00	1.82
--	--	9.00	0	0
--	x	28.00	9.00	.54
--	--	15.00	3.00	.40
--	--	18.00	6.00	.50
--	x	35.50	24.50	1.66
--	--	1.00	0	0
--	--	13.00	7.00	.85
--	x	6.00	0	0
--	x	32.00	34.00	2.63
--	--	19.00	6.00	.47
--	x	78.00	77.00	2.24
--	x	12.00	9.00	.75
--	--	34.00	31.00	3.38
--	--	1.00	0	0
--	--	18.50	5.00	.76

STUDENTS WITH "N " AVERAGE IN REMEDIAL MATH

List Grade and Course (Math 100 or above)	Returned Following Fall	Cum. Hours Attempted	Cum. Hrs. Passed	Cum GPA
--	--	69.00	69.00	3.87
--	x	36.00	36.00	2.81
--	--	3.00	0	0
--	x	45.00	45.00	3.40
--	--	6.00	6.00	2.00
102/B, 103/B, 104/B	--	53.00	53.00	3.13
--	--	2.00	0	0
--	--	2.00	0	0
--	x	16.00	10.00	.69
--	x	2.00	0	0
--	--	4.00	7.00	2.00
--	--	2.00	0	0
--	--	4.00	0	0
102/F	--	24.00	20.00	1.63
--	x	51.00	53.00	3.53
100/D	x	69.00	53.00	1.14
--	--	15.00	9.00	.80
--	--	2.00	0	0
102/B	x	76.00	76.00	3.07
--	x	15.00	13.00	1.07
--	--	2.00	0	0
--	--	76.00	71.00	2.68
--	x	38.00	35.00	2.37
--	--	3.00	0	0
--	--	3.00	3.00	2.00
--	--	36.00	36.00	2.72
--	--	3.00	0	0
--	--	12.00	6.00	.75
--	--	2.00	0	0
--	--	19.00	16.00	2.26
120/C	--	40.50	37.50	2.58
--	--	2.00	0	0
--	--	15.00	11.00	1.93
--	--	2.00	0	0
--	--	2.00	0	0
--	--	3.00	3.00	2.00
--	--	3.00	3.00	4.00
--	x	6.00	3.00	1.00
--	x	33.50	27.50	1.97
--	--	7.00	7.00	2.71
--	--	18.00	18.00	3.67
--	--	9.00	6.00	1.00
--	--	21.00	18.00	2.29
--	--	2.00	0	0
--	--	2.00	0	0
102/N	x	21.00	4.00	.33
--	--	2.00	0	0
--	--	3.00	0	0
--	--	6.00	0	0

STUDENTS WITH "N" AVERAGE IN REMEDIAL MATH (cont'd)

List Grade and Course (Math 100 or above)	Returned Following Fall	Cum. Hours Attempted	Cum. Hrs. Passed	Cum GPA
--	x	21.00	19.00	1.71
--	x	64.50	62.50	1.90
--	--	16.00	7.00	.44
--	--	18.00	0	0
--	x	24.00	24.00	1.75
102/D	--	10.00	10.00	1.90
--	--	2.00	0	0
--	--	64.00	64.00	3.05
--	--	2.00	0	0
--	x	3.00	0	0
--	x	33.00	30.00	2.58
--	--	2.00	0	0
--	--	2.00	0	0
--	x	34.00	23.00	.94
--	x	12.00	10.00	1.50
--	--	3.00	0	0
	STUDENTS WITH "P" IN REMEDIAL MATH			
101/D	--	6.00	9.00	2.00
--	x	67.00	74.00	3.36
--	--	58.00	65.00	3.41
	STUDENTS WITH "H" IN REMEDIAL MATH			
--	--	30.00	27.00	2.00

STUDENTS WITH "A" AVERAGE IN COMMUNICATIONS

Grade in ENG-100	Grade in Other English Course	Returned-- (x) Following Fall	CUM Hours Attempted	CUM Hours Passed	CUM GPA
--	101/C, 102/B	x	73	73	2.75
--	101/B, 102/B	x	55.5	55.5	3.42
--	101/B	x	16	10	2.13
D	101/D	--	24	24	1.75
--	--	--	3	3	4.00
--	101/B, 102/B	--	20	20	3.10
--	--	x	6	6	4.00
--	130/A	x	29	29	4.00
--	101/C, 102/C	--	52	52	2.47
B	--	x	19	19	2.79
--	101/A, 102/B	--	23	23	3.22
--	101/A	--	27	27	3.37
--	--	--	14	14	2.79
--	--	--	9	9	4.00
A	--	--	31	31	3.39
--	101/B, 102/B	x	69	65	3.42
--	101/C, 102/B, 130/C	x	71.5	71.5	2.73
--	101/A, 103/B	--	81	81	3.05
--	--	--	3.5	3.5	3.86
--	102/A	x	59	59	3.75
B	101/B	--	46	46	2.54
--	101/D, 102/C	--	73	73	2.52
--	--	--	2	2	4.00
--	--	x	13	13	2.15
--	--	--	30	30	2.77
--	101/B	--	38	33	2.58
--	101/C, 102/B	x	60	57	2.40
--	101/B, 103/B	x	65	62	2.80
--	130/C, 102/C, 103/B	x	49	49	2.61
--	--	--	10	10	1.80
--	--	--	35	33	2.80
B	--	--	7	7	2.71
--	101/A, 102/A	x	58	58	4.00
--	101/B	x	46.5	43.5	2.47
--	191/B	x	33	33	2.45
--	--	--	3	3	4.00
--	102/B	--	46	38	2.50
--	--	--	6	6	3.50
--	--	--	3	3	4.00
--	101/C, 103/B	--	53	53	2.96
--	101/D, 102/C	--	30	23	2.07
--	101/C, 102/B	x	52	52	2.69
--	--	--	13	6	1.85

STUDENTS WITH "B" AVERAGE IN COMMUNICATIONS

Grade in ENG-100	Grade in Other English Course	Returned - (x) Following Fall	CUM Hours Attempted	CUM Hours Passed	CUM GPA
--	--	--	22	20	2.50
--	--	x	29	27	2.97
--	--	x	32	32	2.83
B	101/C	x	44	44	2.20
--	--	--	23	12	1.04
C	101/C	x	28.5	22.5	2.32
B	101/C, 102/C	x	65.5	65.5	2.59
--	101/B	x	85	85	3.21
D	--	x	50	27	.92
--	101/C	x	26	26	2.92
--	101/C	x	92	92	2.41
--	101/D, 102/F	x	40	35	1.70
--	--	--	10	10	2.60
--	--	--	3	3	3.00
--	101/C, 102/B	x	65.5	65.5	2.35
D	101/D, 102/C	x	90	78	2.02
--	101/C, 102/C	x	56	56	2.46
A	101/C	x	61	61	2.69
B	101/C, 130/C	x	94	86	2.03
--	101/C, 102/D	x	56	56	2.43
--	--	x	26	26	3.52
--	--	--	24	24	3.82
--	--	x	63	63	2.29

STUDENTS WITH "C" AVERAGE IN COMMUNICATIONS

Grade in ENG-100	Grade in Other English Course	Returned- (x) Following Fall	CUM Hours Attempted	CUM Hours Passed	CUM GPA
D	101/F, 101/N	x	22	12	.55
C	--	--	27	25	2.32
--	101/C	x	67	67	2.84
C	--	x	21	21	1.69
--	101/C, 102/C, 103/B	x	112	112	2.63
--	101/F	--	18	18	1.24
--	101/F	--	15	12	1.00
--	--	--	6	6	.50
F	--	x	31	25	1.84
--	--	--	11	11	2.00
--	--	x	9.5	7	1.37
C	101/F	x	28	10	.54
C	101/D	x	29	27	1.55
--	102/C	--	43	43	2.83
C	--	x	34	34	2.43
--	--	x	27	27	3.00
--	--	--	10	7	.70
--	--	--	2	2	2.00
--	--	--	23	19	1.04
--	--	x	51.5	51.5	2.84
--	--	--	2	2	2.00
--	101/N	x	35	32	1.91
--	--	--	11	11	2.89
C	--	x	31	31	2.45
B	--	--	43	43	3.67
--	101/C	x	31	29	2.45
B	--	x	14	14	2.67
--	--	--	10	10	1.63
C	--	x	58	58	2.77
--	--	x	26	26	3.88
--	101/B,102/B	x	99	99	3.27
C	130/C	x	28	28	2.37
--	--	--	4	4	2.00
--	--	x	1	1	2.00
--	--	--	2	2	2.00
C	101/F	x	52	31	1.02
--	101/D	x	14	14	1.92
D	101/F	x	39	37	3.13
B	101/A, 102/B	x	38.5	37.5	3.26
--	--	--	4	4	1.50
--	--	x	25	25	3.25
--	101/C	x	33	33	2.16
--	101/D, 102/D	x	93	93	1.98
B	101/B	x	54	49	2.61
--	--	--	20	20	2.24
--	--	x	20	20	4.00
--	--	--	2	2	2.00
--	101/B, 102/B	x	47	47	3.30
--	--	--	1	1	2.00

STUDENTS WITH "C" AVERAGE IN COMMUNICATIONS (continued)

Grade in ENG-100	Grade in Other English Course	Returned - (x) Following Fall	CUM Hours Attempted	CUM Hours Passed	CUM GPA
N	101/F	--	18	10	1.61
--	101/D	--	12	7	.75
--	101/B, 102/A	x	61	61	3.54
--	101/C, 102/A	--	44	44	3.09
--	101/C	x	51	46	1.84
--	--	--	7	6	1.67
--	101/C	--	27	27	2.81
--	--	--	7	7	3.50
--	--	--	2	2	4.00
--	101/C, 102/C	x	84	84	3.04
--	--	--	1	1	2.00
--	101/B, 130/B	--	26	26	3.16
B	--	x	27	27	3.00
--	101/C, 102/C	x	38	36	2.21
--	101/B, 102/B	--	16	16	2.75
C	101/F	x	37	37	2.00
H	101/F, 103/C	--	10	10	1.33
--	--	x	9	9	1.00
--	101/F	--	40	25	1.73
--	101/B, 102/A	x	27	27	3.00
--	--	--	13.5	13.5	2.53
--	--	--	12	12	1.86
--	--	--	3	3	2.00
--	--	x	13	13	2.29
--	--	--	6	6	1.00
--	--	x	3	3	2.00
--	--	--	15	15	2.20
D	101/D	x	37	32	1.54
C	--	--	18	17	1.50
--	101/H	--	20	17	1.30
--	--	--	8.5	8.5	1.43
--	--	x	1	1	2.00
--	--	--	17.5	17.5	2.70

STUDENTS WITH "D" AVERAGE IN COMMUNICATIONS

Grade in ENG-100	Grade in Other English Course	Returned - (x) Following Fall	CUM Hours Attempted	CUM Hours Passed	CUM GPA
--	--	x	14.5	12.5	2.52
F	--	--	36	26	1.42
--	--	--	10	10	2.22
--	--	--	12	5	.67
--	--	x	6	4	1.00
--	--	x	48	34	2.15
--	--	--	1	1	1.00
--	--	x	21	19	1.71
N	101/C	x	65	53	1.52
C	--	--	10	9	1.40
C	--	--	14	4	.43
F	--	--	34	34	1.23
--	--	x	14	14	2.23

STUDENTS WITH "F" AVERAGE IN COMMUNICATIONS

--	--	--	7	0	0
--	--	--	6	0	0
--	--	x	8	4	1.50
--	101/F/N	--	1	0	0
--	101/C, 102/C, 130/F	x	79	56	1.27
--	--	--	3.5	3.5	3.86
--	--	--	5	0	0
--	--	--	10	3	.60

STUDENTS WITH "H" IN COMMUNICATIONS

H	101/F	x	13	6	1.15

STUDENTS WITH "N" AVERAGE IN COMMUNICATIONS

Grade in ENG-100	Grade in Other English Course	Returned - (x) Following Fall	CUM Hours Attempted	CUM Hours Passed	CUM GPA
--	101/D	--	34	15	.71
--	101/C, 102/F/N	x	38	18	.72
--	--	--	6	3	.50
D	130/N	x	31	12	.39
N	--	--	1	0	0
--	101/C, 102/C	x	27	24	2.11
--	101/N, 102/N	--	6	0	0
B	--	--	30	24	1.60
--	--	--	1	0	0
D	--	--	29	26	1.28
--	--	--	12	12	3.50
--	--	--	1	0	0
--	--	--	4	4	3.00
--	--	--	3	0	0
--	101/C, 102/C	x	56	56	2.05
--	--	--	1	0	0
--	--	--	14	14	2.71
--	--	--	1	0	0
--	--	x	1	0	0
--	--	--	2	0	0
--	--	--	.50	.50	4.00
--	--	--	6.50	6.50	2.62
--	--	--	3	3	3.00
--	--	--	3	3	2.00
--	101/B	x	27	23	2.96
--	--	--	1	0	0
--	--	--	1	0	0
--	--	--	1	0	0
--	101/A, 102/A	--	51	51	3.94
--	101/B, 130/B	--	40	40	2.70
--	--	--	3.50	3	.86
--	--	--	1	0	0
--	101/C	--	36	33	2.39
--	101/B, 102/B, 220/A	--	74	62	2.50
--	--	--	6	6	3.17
--	--	--	1	0	0
--	--	--	16	6	.75
--	--	--	12	9	1.42
--	--	x	12	9	1.75
--	--	--	1	0	0
--	--	--	1	0	0
--	--	--	1	0	0
--	--	--	1	0	0
--	102/B	x	44	41	2.84
--	--	--	4	4	3.00
--	--	--	1	0	0
C	101/N	x	28	22	1.86
--	--	--	3	3	2.00

STUDENTS WITH "N" AVERAGE IN COMMUNICATIONS

Grade in ENG-100	Grade in Other English Course	Returned - (x) Following Fall	CUM Hours Attempted	CUM Hours Passed	CUM GPA
--	--	--	6	6	3.00
--	--	--	10	3	.60
--	--	--	18	15	2.83

ERIC CLEARINGHOUSE
FOR JUNIOR COLLEGES
MAR 2 8 1986